

SWALLOW.

A NEW

ALMANACK

for the Year of our

LORD GOD

1692.



Being the first of the Year, or Leap Year,
and from the Worlds Creation,
BEGINNED 1695.

Calculated properly for the famous
University and Town of Cambridge, where
the North-Pole is elevated 52 degr.
52 min. above the Horizon.

And may serve indifferently for any other
place of this Kingdom.

Optima salus metis semper.

Printed by *W. D. G. E.* Printer to
the University, 1692.

The vulgar Notes and moveable Feasts for this
Year 1692, in both Accounts, viz.

Julian or
Engliff.

Gregorian or
Forreign.

| | | | |
|--------|----|-----------------------|------------|
| | 2 | The Golden Number | 9 |
| | 13 | The Dominical Letters | 10 |
| | 22 | The Epact | 12 |
| | 21 | The Cycle of the Sun | 21 |
| Febr. | 7 | Shrove Sunday | Febr. 16 |
| March | 27 | Easter-day | April 6 |
| May | 5 | Ascension-day | May 15 |
| May | 15 | Whitsunday | May 25 |
| Novem. | 27 | Advent-Sunday | Novemb. 30 |

The Anatomy of Man's Body.



| | |
|-----------------------------|--------------------------|
| ♈ Aries Head and Face | ♎ Libra Reins and Loyns |
| ♉ Taurus Neck and Throat | ♏ Scorpio Secret Members |
| ♊ Gemini Arms and Should. | ♐ Sagittarius the Thighs |
| ♋ Cancer Breast and Stomach | ♑ Capricornus the Knees |
| ♌ Leo Heart and Back | ♒ Aquarius the Legs |
| ♍ Virgo Bowels and Belly | ♓ Pisces the Feet. |

A Table of the four Terms and their Returns.

Hilary Term begins January 23, and ends February 12, and hath 4 returns, viz.

| | |
|---------------|----------|
| Octab. Hilar. | Jan. 20 |
| Quind. Hilar. | Jan. 27 |
| Craft. Purif. | Febr. 13 |
| Octab. Purif. | Febr. 19 |

Easter Term begins April 13, ends May 9, and hath 5 returns, viz.

| | |
|---------------|----------|
| Quind. Pasch. | April 11 |
| Tres Pasch. | April 18 |
| Mens. Pasch. | April 25 |
| Quinq. Pasch. | May 2 |
| Craft. Ascen. | May 8 |

Trinity Term begins May 27, and ends June 15, and hath 4 returns, viz.

| | |
|--------------|---------|
| Craft. Trin. | May 23 |
| Octab. Trin. | May 30 |
| Quind. Trin. | June 6 |
| Tres Trin. | June 13 |

Michaelmas Term begins October 24, and ends November the 28, and hath 6 returns, viz.

| | |
|--------------|-----------|
| Tres Mich. | Octob. 20 |
| Mens. Mich. | Octob. 27 |
| Craft. Anim. | Novem. 3 |
| Craft. Mart. | Novem. 12 |
| Octab. Mart. | Novem. 18 |
| Quind. Mart. | Novem. 25 |

And Tables prohibiting Marriage.

Marriage comes in on the 13 day of January, and at Septuagesima Sunday it is out again untill Low-sunday; at which time it comes in again, and goes not out till Rogation-sunday: thence it is forbidden untill Trinity-sunday, from whence it is unforbidden till Advent-sunday: but then it goes out, and comes not in again till the 13 day of January next following.

Note, that the Exchequer openeth 8 days before any Term begins, except the Term of Trinity, in which it openeth but 4 days before.

January

January hath xxxi days:

- New moon the 8 day, 42 min. past 9 in the morn.
- First quarter the 16 day, 46 min. past noon.
- Full moon the 23 day, 3 min. past 2 in the afternoon.
- Last quarter the 30 day, 34 min. past 5 in the afternoon.

| | | | | | | | |
|----|---|------------------|----|----|--------|----|-----------------|
| 1 | a | Circumcision | 21 | 24 | Scorp. | 10 | We may ex- |
| 2 | b | Octab. Steph. | 22 | 25 | | 13 | pect some |
| 3 | c | 1 sun. aft. Chr. | 23 | 27 | | 26 | wind with |
| 4 | d | Octab. Innoc. | 24 | 28 | Sagit. | 9 | rain about |
| 5 | e | Simon | 25 | 29 | | 22 | this time. |
| 6 | f | Epiphany | 26 | 30 | Capr. | 5 | |
| 7 | g | Julian | 27 | 31 | | 17 | |
| 8 | a | Erhard | 28 | 33 | | 29 | |
| 9 | b | Marcellus | 29 | 34 | Aquar. | 11 | |
| 10 | c | 2 sun. in Aquar. | 0 | 35 | | 23 | Not very cold |
| 11 | d | franco. | 1 | 36 | Pisces | 5 | considering the |
| 12 | e | Steph. | 2 | 37 | | 17 | season of the |
| 13 | f | Hilary Bish. | 3 | 38 | | 29 | Year. |
| 14 | g | Felix | 4 | 39 | Aries | 11 | |
| 15 | a | Maurice | 5 | 40 | | 23 | |
| 16 | b | Marcellus | 6 | 41 | Taur. | 5 | |
| 17 | c | 2 sun. aft. Epi. | 7 | 42 | | 18 | |
| 18 | d | Donatian. | 8 | 43 | Gem. | 1 | Now some- |
| 19 | e | Feb. Feb. | 9 | 44 | | 14 | what cold |
| 20 | f | Octab. Hilan. | 10 | 45 | | 28 | with snow |
| 21 | g | Agnes | 11 | 46 | Canc. | 12 | or rain. |
| 22 | a | Vincent | 12 | 47 | | 27 | |
| 23 | b | Term begins | 13 | 48 | Leo | 11 | |
| 24 | c | Septuagesima | 14 | 49 | | 27 | |
| 25 | d | Conv. S. Paul | 15 | 50 | Virgo | 12 | |
| 26 | e | Voltearp. | 16 | 50 | | 27 | Windy cold |
| 27 | f | Quind. Hilar. | 17 | 51 | Libra | 12 | and cloudy |
| 28 | g | Valerius | 18 | 52 | | 26 | Air towards |
| 29 | a | Carolus | 19 | 53 | Scorp. | 10 | the end of |
| 30 | b | K. Ch. r. Mar. | 20 | 54 | | 23 | the month. |
| 31 | c | Sexagesima | 21 | 54 | Sagit. | 6 | |

February hath xxix days.

New moon the 7 day, 31 min. past 4 in the morn.
 First quarter the 15 day, 16 min. past 6 in the morn.
 Full moon the 21 day, 48 min. past 11 at night.
 Last quarter the 28 day, 37 min. past 7 at night.

| M.D. | W.D. | Festival days with terms. | ☉ place d. m. | Moons place. | Inclination of the Air. |
|------|------|------------------------------|------------------|-----------------|----------------------------|
| 1 | a | Brigitte fast | 22 57 | Sagit. 19 | |
| 2 | b | Purif. W.M. | 23 56 | Capr. 2 | About this |
| 3 | c | Craft. Purific. | 24 56 | | time some |
| 4 | d | Gilbert | 25 57 | | snow or frost |
| 5 | a | Agatha | 26 57 | Aquar. 8 | if not both |
| 6 | b | Dorothea | 27 58 | | |
| 7 | c | Shrove Sund. | 28 58 | Pisces 2 | |
| 8 | d | Salome | 29 59 | | |
| 9 | a | Sancti Valenti | 0 59 | | |
| 10 | b | Asht. wednesd. | 2 0 | Aries 8 | Mild weather |
| 11 | c | Severin | 3 0 | | for the season. |
| 12 | d | Terrence | 4 0 | Taur. 2 | |
| 13 | a | Eustachy | 5 0 | | |
| 14 | b | Quadragesim. | 6 1 | | |
| 15 | c | Faustine | 7 1 | Gem. 10 | |
| 16 | d | Julian. Virg. | 8 2 | | More frost |
| 17 | a | Wendel. Hook | 9 2 | Canc. 7 | with snow and |
| 18 | b | Concordia | 10 2 | | cloudy Air. |
| 19 | c | Severin | 11 2 | Leo 5 | |
| 20 | d | Witthob | 12 2 | | |
| 21 | a | 2 fund. in Lent | 13 2 | Virgo 6 | |
| 22 | b | Juliana | 14 2 | | |
| 23 | c | Severus | 15 2 | Libra 6 | Windy wea- |
| 24 | d | S. Matthias | 16 2 | | ther and va- |
| 25 | a | Intercal. | 17 2 | Scorp. 5 | riable towards |
| 26 | b | Blinson | 18 2 | | the end of |
| 27 | c | Fortuna | 19 2 | Sagit. 3 | this month. |
| 28 | d | 3 fund. in Lent | 20 2 | | |
| 29 | a | Osvald | 21 2 | | A 3 |

March hath xxxi days.

New moon the 7 day, 30 min. past 10 at night.
 First quarter 15 day, 44 min. past 1 in the afternoon.
 Full moon the 22 day, 53 min. past 8 in the morning.
 Last quarter the 29 day, 36 min. past 11 before noon.

| | | | | | | | |
|----|---|--------------|----|----|--------|----|----------------|
| 1 | D | David Bish. | 22 | 1 | Capr. | 11 | Tempestuous |
| 2 | E | Chad Bish. | 23 | 1 | | 29 | and turbulent |
| 3 | F | Cuniger | 24 | 1 | Aquar. | 23 | wind about |
| 4 | G | Eden | 25 | 0 | | 17 | the beginning, |
| 5 | A | Ensching | 26 | 0 | | 29 | with storms of |
| 6 | C | Ensching | 27 | 0 | Pisces | 11 | snow or rain. |
| 7 | D | Vergetus | 27 | 59 | | 23 | clear |
| 8 | D | Felix | 28 | 59 | Aries | 5 | to 10 |
| 9 | E | Apollone | 29 | 58 | | 17 | |
| 10 | F | San in Aries | 0 | 58 | | 29 | clouds |
| 11 | G | Canthens | 1 | 58 | Taur. | 11 | Now we may |
| 12 | A | Gregory | 2 | 57 | | 29 | expect cold |
| 13 | C | San on Lent | 3 | 56 | Gem. | 6 | pinching frost |
| 14 | E | Theodore | 4 | 56 | | 19 | mornings |
| 15 | D | Enfract | 5 | 54 | Canc. | 29 | clouds |
| 16 | E | Cyriacus | 6 | 53 | | 16 | |
| 17 | F | Gertrude | 7 | 53 | Leo | 0 | clouds |
| 18 | A | Abel | 8 | 52 | | 8 | clouds |
| 19 | G | Joseph | 9 | 51 | | 29 | High winds |
| 20 | C | Abel | 10 | 50 | Virgo | 14 | with driving |
| 21 | E | Benedic | 11 | 49 | | 29 | storms of hail |
| 22 | D | Paulinus | 12 | 48 | Libra | 4 | or thin. |
| 23 | E | Godfridus | 13 | 47 | | 29 | clouds |
| 24 | F | Mutinus | 14 | 46 | Scorp. | 14 | clouds |
| 25 | G | Abel | 15 | 45 | | 28 | Good Friday. |
| 26 | A | Calix | 16 | 43 | Sagit. | 11 | |
| 27 | C | Abel | 17 | 42 | | 24 | |
| 28 | E | Gideon | 18 | 41 | Capr. | 7 | The month |
| 29 | D | Eustachius | 19 | 40 | | 29 | ends with fine |
| 30 | E | Guido | 20 | 39 | Aquar. | 2 | calm weather. |
| 31 | F | Balsina | 21 | 37 | | 14 | |

April hath xxx days.

New moon the 6 day, 6 min. past 3 in the afternoon.
First quarter the 14 day, 33 min. past 3 in the morning.
Full moon the 20 day, 49 min. past 5 in the afternoon.
Last quarter the 28 day, 6 min. past 4 in the morning.

| | | | | | | |
|----|---|----------------|----|----|-----------|-------------------|
| 1 | B | Conv. M. M. | 22 | 36 | Aquar. 25 | |
| 2 | a | Mary Egypt | 23 | 34 | Pisces | 7 Variable wea- |
| 3 | | Low Sunday | 24 | 33 | | 19 ther at the |
| 4 | t | Amphile | 25 | 32 | Aries | 1 beginning. |
| 5 | d | Marlian | 26 | 30 | | 13 |
| 6 | e | Helton | 27 | 29 | | 20 |
| 7 | f | Celestine | 28 | 27 | Taur. | 8 |
| 8 | B | Dionysus | 29 | 25 | | 21 |
| 9 | a | Sun in Taurus | 08 | 24 | Gem. | 3 |
| 10 | B | 2 after Easter | 1 | 22 | | 16 Windy with |
| 11 | t | Quind. Pasch. | 2 | 20 | | 20 showers of |
| 12 | d | Julius | 3 | 19 | Canc. | 13 rain or hail. |
| 13 | e | Term begins | 4 | 17 | | 26 |
| 14 | t | Libertius | 5 | 15 | Leo | 10 |
| 15 | B | Olympia | 6 | 13 | | 24 |
| 16 | a | Isidore | 7 | 11 | Virgo | 8 |
| 17 | B | 3 after Easter | 8 | 9 | | 23 |
| 18 | t | Tres Pasch. | 9 | 8 | Libra | 8 Good Spring |
| 19 | d | Timothy | 10 | 6 | | 22 ing weather |
| 20 | e | Sulpitius | 11 | 4 | Scorp. | 7 and seasonable. |
| 21 | t | Simeon | 12 | 2 | | 22 |
| 22 | B | Abelar | 13 | 0 | Sagit. | 6 |
| 23 | a | S. GEORGE | 13 | 57 | | 19 |
| 24 | B | 4 after Easter | 14 | 55 | Capr. | 3 |
| 25 | t | S. Mark Ev. | 15 | 53 | | 15 |
| 26 | d | Menf Pasch. | 16 | 51 | | 27 Windy, and |
| 27 | e | Spasbas | 17 | 49 | Aquar. | 10 cold for the |
| 28 | t | Matthias | 18 | 47 | | 22 season, with |
| 29 | B | Per. de Mil. | 19 | 44 | Pisces | 4 some rain. |
| 30 | a | Q. M. 2. Lorn | 20 | 42 | | 16 |

May hath xxxi days.

New moon the 6 day, 48 min. past 4 in the morning.
 First quarter the 13 day, 48 min. past 8 in the morning.
 Full moon the 20 day, 40 min. past 3 in the morning.
 Last quarter the 27 day, 9 min. past 9 at night.

| | | | | | | |
|----|-----------------|----|----|--------|----|-----------------|
| 1 | Phil. & Jacob | 21 | 40 | Pisces | 18 | |
| 2 | Quinq. pasch. | 22 | 38 | Aries | 10 | |
| 3 | Beate Crucis | 23 | 35 | | 22 | Cold and Bat |
| 4 | Ascension day | 24 | 33 | Taur. | 4 | tering weather |
| 5 | Joh. Pop. L. | 25 | 30 | | 17 | with wind |
| 6 | Joh Beverly | 26 | 28 | Gem. | 0 | and rain. |
| 7 | 6 after Easter | 27 | 26 | | 13 | |
| 8 | Term ends | 28 | 23 | | 26 | |
| 9 | San Yr. Gem. | 29 | 21 | Canc. | 9 | |
| 10 | Whit Sunday | 0 | 18 | | 23 | |
| 11 | Ascension | 1 | 16 | Leo | 7 | |
| 12 | Corinth | 2 | 13 | | 21 | Cloudy and |
| 13 | Bartholomew | 3 | 10 | Virgo | 5 | something un- |
| 14 | Fortuna | 4 | 8 | | 19 | pleasant yet. |
| 15 | Whit Sunday | 5 | 5 | Libra | 3 | |
| 16 | Peregrin | 6 | 3 | | 17 | |
| 17 | Probus | 7 | 0 | Scorp. | 2 | |
| 18 | Ember Week | 7 | 57 | | 16 | |
| 19 | Bartholomew | 8 | 55 | Sagit. | 0 | |
| 20 | Edward | 9 | 52 | | 14 | |
| 21 | Julian Virg. | 10 | 50 | | 27 | |
| 22 | Trinity Sund. | 11 | 48 | Capr. | 10 | Now the Air |
| 23 | Craft. Trin. | 12 | 45 | | 23 | inelineth to be |
| 24 | Brandin | 13 | 42 | Aquar. | 6 | more warm, |
| 25 | Whit Sunday | 14 | 39 | | 18 | and pleasing |
| 26 | Corinth Christi | 15 | 36 | Pisces | 0 | showers may |
| 27 | Ascension | 16 | 33 | | 12 | now be ex- |
| 28 | Bartholomew | 17 | 30 | | 24 | pected. |
| 29 | 1 after Trin. | 18 | 27 | Aries | 5 | |
| 30 | Octab. Trin. | 19 | 24 | | 17 | |
| 31 | Petrone | 20 | 21 | Taur. | 0 | |

June hath xxx days.

New moon the 4 day, 38 min. past 4 in the afternoon.
 First quarters the 11 day, 37 min. past noon.
 Full moon the 18 day, 38 min. past 2 in the afternoon.
 Last quarter the 25 day, 4 min. past 2 in the afternoon.

| | | | | | | | | |
|----|---|----------------|----|----|--------|----|-----------------|----|
| 1 | e | Alcomed | 21 | 19 | Taurus | 12 | 20 | 1 |
| 2 | f | Warcet | 22 | 16 | or | 25 | Moderate | 2 |
| 3 | g | Crastinus | 23 | 13 | Gem. | 8 | weather begins | 3 |
| 4 | a | Petrucius | 24 | 10 | or | 21 | the month, but | 4 |
| 5 | b | after Trin. | 25 | 7 | Canc. | 5 | windy and a | 5 |
| 6 | c | Quind. Trin. | 26 | 4 | or | 19 | little rains | 6 |
| 7 | d | Paul Ep. | 27 | 1 | Leo | 13 | more or | 7 |
| 8 | e | Edwardus | 27 | 38 | or | 17 | more or | 8 |
| 9 | f | Wlohe | 28 | 1 | Virgo | 2 | more or | 9 |
| 10 | g | Gervinus | 29 | 32 | or | 16 | more or | 10 |
| 11 | a | S. Barnabas | 30 | 30 | Libra | 10 | more or | 11 |
| 12 | b | 3 after Trin. | 1 | 27 | or | 14 | more or | 12 |
| 13 | c | Tref. Trin. | 2 | 22 | 1 | 28 | Good seasons | 13 |
| 14 | d | Beokus | 3 | 41 | Scorp. | 12 | his weather | 14 |
| 15 | e | Wlohe | 4 | 38 | or | 25 | with showery | 15 |
| 16 | f | Tranf Richard | 5 | 25 | Sagit. | 9 | and likely to | 16 |
| 17 | g | Wolofy | 6 | 32 | or | 22 | thunder | 17 |
| 18 | a | Wolofy | 7 | 29 | Capr. | 10 | more or | 18 |
| 19 | b | 4 after Trin. | 8 | 26 | or | 19 | more or | 19 |
| 20 | c | Regius | 9 | 23 | Aquar. | 1 | more or | 20 |
| 21 | d | Walburga | 10 | 20 | or | 14 | more or | 21 |
| 22 | e | Alban | 11 | 27 | or | 28 | more or | 22 |
| 23 | f | Walling. Fast | 12 | 24 | Pisces | 8 | more or | 23 |
| 24 | g | S. John Bapt. | 13 | 21 | or | 20 | Now heat | 24 |
| 25 | a | Elogies | 14 | 18 | Aries | 2 | creases to | 25 |
| 26 | b | 5 after Trin. | 15 | 15 | or | 14 | wards the lat. | 26 |
| 27 | c | Wolofy | 16 | 12 | or | 25 | ter end of this | 27 |
| 28 | d | Wolofy | 17 | 9 | Taur. | 8 | month | 28 |
| 29 | e | S. Pet. & Paul | 17 | 37 | or | 20 | more or | 29 |
| 30 | f | Com. 5 Paul | 18 | 34 | Gem. | 3 | more or | 30 |

July hath xxxi days.

New moon the 4 day, 22 min. past 4 in the morn.
 First quarter the 10 day, 14 min. past 5 after noon
 Full moon the 18 day, 11 min. past 7 in the morning
 Last quarter the 26 day, 15 min. past 5 in the morn

| | | | | | | | | | |
|----|----|----------------|----|----|--------|----|-----------------|----|---|
| 1 | B | Theobald | 19 | 52 | Gem. | 6 | moist | 3 | 1 |
| 2 | a | Vist. Mary | 20 | 48 | Canc. | 0 | 11 | 3 | 5 |
| 3 | 6 | after Trin. | 21 | 49 | | 14 | Heavy showers | | |
| 4 | 8 | Martins | 22 | 44 | | 28 | of rain or hail | | |
| 5 | 10 | Matthias | 23 | 39 | Leo | 13 | with thunder. | | |
| 6 | 12 | Old Peter. | 24 | 37 | | 27 | brisk | | |
| 7 | 14 | Demetrius | 25 | 34 | Virgo | 12 | 11 | 3 | 0 |
| 8 | 16 | Dep. Grim. | 26 | 31 | | 25 | 11 | 3 | 8 |
| 9 | 18 | Cyrtling | 27 | 28 | Libra | 11 | 3 | 0 | 0 |
| 10 | 20 | 7 after Trin. | 28 | 25 | | 29 | 11 | 0 | 1 |
| 11 | 22 | 7 Brethzen | 29 | 23 | Scorp. | 8 | 11 | 11 | |
| 12 | 24 | Sun in Leo | 0 | 20 | | 22 | 11 | 1 | 1 |
| 13 | 26 | Margaret | 1 | 17 | Sagit. | 7 | 11 | 1 | 1 |
| 14 | 28 | Mouvent | 2 | 14 | | 19 | Very hot and | | |
| 15 | 30 | Michael | 3 | 11 | Capr. | 2 | compelluous | | |
| 16 | 31 | John | 4 | 9 | | 19 | with lightning | | |
| 17 | | 8 after Trin. | 5 | 6 | | 27 | with thunder | | |
| 18 | c | Ernolph, Br | 6 | 3 | Aquar. | 10 | 11 | 8 | 1 |
| 19 | d | Dog days beg. | 7 | 2 | | 22 | 11 | 1 | 1 |
| 20 | e | Elis | 8 | 58 | Pisces | 4 | 11 | 1 | 1 |
| 21 | f | Daniel | 9 | 55 | | 28 | 11 | 1 | 1 |
| 22 | g | Mary Mag. | 10 | 52 | | 11 | 28 | 11 | 1 |
| 23 | a | Agollis B. | 11 | 50 | Aries | 1 | 11 | 1 | 1 |
| 24 | 2 | 9 after Trin. | 12 | 47 | | 22 | 11 | 1 | 1 |
| 25 | c | John Ap. | 13 | 45 | Taur. | 1 | 11 | 1 | 1 |
| 26 | d | John | 14 | 42 | | 18 | 11 | 1 | 1 |
| 27 | e | James | 15 | 40 | | 28 | 11 | 1 | 1 |
| 28 | f | Thomas | 16 | 37 | Gem. | 11 | 11 | 1 | 1 |
| 29 | g | Beatrice | 17 | 35 | | 24 | 11 | 1 | 1 |
| 30 | a | Abbas | 18 | 32 | Canc. | 8 | 11 | 1 | 1 |
| 31 | 2 | 10 after Trin. | 18 | 30 | | 22 | 11 | 1 | 1 |

August hath xxxi days

New moon the 2 day, 48 min. past 9 in the morn.
 First quarter the 8 day, 44 min. past 11 at night.
 Full moon the 16 day, 55 min. past 5 after noon.
 Last quarter the 24 day, 5 min. past 9 at night.
 New moon the 31 day, 49 min. past 5 after noon.

| | | | | | | | |
|----|---|-----------------|----|----|--------|----|----------------|
| 1 | c | Lammas day | 19 | 28 | Leo | 6 | Windy and |
| 2 | d | Stephen | 20 | 21 | OS | 21 | showy weat |
| 3 | e | Invent Steph. | 21 | 22 | Virgo | 6 | thunder about |
| 4 | f | Dominic | 22 | 23 | Libra | 6 | this time may |
| 5 | g | Fest. John | 23 | 18 | Scorp. | 21 | he expected. |
| 6 | a | Trans. Christi | 24 | 16 | Sagit. | 3 | Cool at this |
| 7 | b | 11 after Trin. | 25 | 14 | Aquar. | 19 | of time with |
| 8 | c | Cyrilacus | 26 | 11 | Pices | 13 | some horns |
| 9 | d | Romanus | 27 | 9 | OS | 1 | of hail |
| 10 | e | Laurence | 28 | 7 | OS | 13 | meddles |
| 11 | f | Citus | 29 | 6 | OS | 0 | some |
| 12 | g | Sun in Virgo | 0 | my | 31 | 8 | some |
| 13 | a | Celestin | 1 | 59 | OS | 18 | some |
| 14 | b | 12 after Trin. | 2 | 58 | OS | 0 | some |
| 15 | c | Assump. V. M. | 3 | 56 | OS | 13 | some |
| 16 | d | Barthol. | 4 | 53 | OS | 0 | some |
| 17 | e | Barthol. | 5 | 51 | OS | 18 | some |
| 18 | f | Barthol. | 6 | 49 | OS | 0 | some |
| 19 | g | Barthol. | 7 | 47 | OS | 13 | some |
| 20 | a | Bernard | 8 | 45 | OS | 0 | some |
| 21 | b | 13 after Trin. | 9 | 42 | OS | 13 | some |
| 22 | c | Symon | 10 | 41 | OS | 24 | Some |
| 23 | d | Jaschus fast | 11 | 39 | OS | 7 | ring weather |
| 24 | e | S. Barthol. | 12 | 38 | OS | 19 | as also some |
| 25 | f | John K. | 13 | 36 | OS | 2 | thunder and |
| 26 | g | Barthol. | 14 | 35 | OS | 16 | rain toward |
| 27 | a | Barthol. | 15 | 33 | OS | 0 | the end of the |
| 28 | b | 14 after Trin. | 16 | 31 | OS | 14 | month |
| 29 | c | Decol. J. Bapt. | 17 | 30 | OS | 29 | some |
| 30 | d | Felix | 17 | 28 | OS | 14 | some |
| 31 | e | Paulinus | 17 | 28 | OS | 14 | some |

September hath xxx days.

First quarter the 7 day, 4 min. past 10 before noon.
 Full moon the 15 day, 26 min. past 10 before noon.
 Last quarter the 23 day, 13 min. past 6 in the morn.
 New Moone the 30 day, 24 min. past 2 in the morning.

| | | | | | | | |
|----|---|------------------|----|----|--------|----|---------------|
| 1 | f | Stiles Ab. | 19 | 27 | Libra | 0 | Cool and |
| 2 | u | Anthony | 20 | 25 | | 15 | moist weather |
| 3 | a | August | 22 | 24 | Scorp. | 10 | about this |
| 4 | b | 19 after Trin. | 22 | 22 | | 14 | time, |
| 5 | c | Bartholom. | 23 | 21 | | 29 | |
| 6 | d | Engelins | 24 | 20 | Sagit. | 12 | |
| 7 | e | Nat. of Q. Eliz. | 25 | 18 | | 26 | |
| 8 | f | Nat. of V. Ma. | 26 | 17 | Cape. | 9 | |
| 9 | g | Corxon | 27 | 16 | | 21 | Windy with |
| 10 | a | Sybilus | 28 | 15 | Aquar. | 4 | some wet. |
| 11 | b | 16 after Trin. | 29 | 14 | | 16 | |
| 12 | c | Sun in Lib. | 30 | 13 | | 28 | |
| 13 | d | Quintinus | 1 | 12 | Pisces | 18 | |
| 14 | e | Exalt. Crucis. | 2 | 11 | | 22 | |
| 15 | f | Priscilla | 3 | 10 | Aries | 3 | The Air now |
| 16 | g | Quintus | 4 | 9 | | 15 | grows cold |
| 17 | a | Lambert | 5 | 8 | | 27 | and rough at |
| 18 | b | 17 after Trin. | 6 | 7 | Taur. | 9 | mornings and |
| 19 | c | Ulgoz | 7 | 6 | | 21 | evenings. |
| 20 | d | Eustace | 8 | 5 | Gem. | 1 | |
| 21 | e | S. Matthew | 9 | 4 | | 16 | |
| 22 | f | Marcell | 10 | 4 | | 29 | |
| 23 | g | Cecilia Vr. | 11 | 3 | Cant. | 12 | |
| 24 | a | Augustus | 12 | 2 | | 25 | Blustering |
| 25 | b | 18 after Trin. | 13 | 2 | Leo | 9 | weather, but |
| 26 | c | Gregory | 14 | 1 | | 23 | towards the |
| 27 | d | Colm. Di. | 15 | 0 | Virgo | 8 | end of the |
| 28 | e | Augustin | 16 | 0 | | 23 | month rain. |
| 29 | f | S. Michael | 16 | 39 | Libra | 8 | |
| 30 | g | Jerome | 17 | 38 | | 23 | |

October hath xxxi days:

First quarter the 7 day, 30 min. before 1 in the morn.

Full moon the 15 day, 52 min. past 3 in the morning.

Last quarter the 23 day, 32 min. past 9 at night.

New moon the 29 day, 36 min. past noon.

| | | | | | | | |
|----|---|----------------|----|----|--------|----|----------------|
| 1 | a | Memigius | 18 | 59 | Scorp. | 8 | |
| 2 | b | 19 after Trin. | 19 | 58 | | 23 | Good weather |
| 3 | c | Canditus | 20 | 58 | Sagit. | 7 | at the begin- |
| 4 | d | Franciscus | 21 | 58 | | 21 | ning. |
| 5 | e | Spollin | 22 | 57 | Capr. | 5 | |
| 6 | f | Id's | 23 | 57 | | 18 | |
| 7 | g | Marcus | 24 | 57 | Aquar. | 0 | |
| 8 | a | Delagius | 25 | 56 | | 13 | |
| 9 | b | 20 after Trin. | 26 | 56 | | 26 | |
| 10 | c | Aliger | 27 | 56 | Pisces | 7 | Gentle rain. |
| 11 | d | Pitatus | 28 | 56 | | 18 | |
| 12 | e | Wolfride | 29 | 56 | Aries | 0 | |
| 13 | f | Sun in Scorpio | 0 | 56 | | 12 | |
| 14 | g | Calixtus | 1 | 56 | | 24 | |
| 15 | a | Wolfram | 2 | 56 | Taur. | 6 | |
| 16 | b | 21 after Trin. | 3 | 57 | | 18 | Good seasona- |
| 17 | c | Wolstan | 4 | 57 | Gem. | 1 | ble weather. |
| 18 | d | S. Luke Ev. | 5 | 57 | | 13 | |
| 19 | e | Feldesold | 6 | 57 | | 20 | |
| 20 | f | Tres Mich. | 7 | 57 | Canc. | 8 | |
| 21 | g | 40 Virg. M. | 8 | 58 | | 22 | |
| 22 | a | Seberus | 9 | 58 | Leo | 5 | |
| 23 | b | 22 after Trin. | 10 | 58 | | 19 | |
| 24 | c | Term begins | 11 | 59 | Virgo | 3 | Variable, with |
| 25 | d | Crispin | 12 | 59 | | 17 | clouds, rain, |
| 26 | e | Wagar | 13 | 59 | Libra | 2 | wind and cold |
| 27 | f | Mml. Mich. | 15 | 0 | | 17 | toward the |
| 28 | g | S. Sim. & Jude | 16 | 0 | Scorp. | 1 | months end. |
| 29 | a | Barclinas | 17 | 1 | | 16 | |
| 30 | b | 23 after Trin. | 18 | 1 | Sagit. | 1 | |
| 31 | c | Quintin. | 19 | 2 | | 15 | |

November hath xxx days.

First quarter the 7 day, 46 min. past 6 at night.
 Full moon the 15 day, 46 min. past 9 at night.
 Last quarter the 23 day, 43 min. past 6 in the morn.
 New moon the 27 day, 48 min. past 11 at night.

| | | | | | | | |
|----|---|----------------|----|----|--------|----|--------------|
| 1 | D | All Saints | 20 | 3 | Sagit. | 27 | |
| 2 | f | Omni. Anim. | 21 | 4 | Capr. | 13 | Good seasons |
| 3 | f | Craft Anim. | 22 | 4 | | 26 | ble weather. |
| 4 | B | K. W. 3. Corn | 23 | 5 | Aquar. | 9 | |
| 5 | a | Powder Pot | 24 | 5 | | 21 | |
| 6 | B | 24 after Trin. | 25 | 6 | Pisces | 3 | |
| 7 | c | Walliball | 26 | 7 | | 15 | |
| 8 | d | Quat. Cor. | 27 | 8 | | 27 | |
| 9 | e | Cherchole | 28 | 8 | Aries | 9 | Dry and in- |
| 10 | f | Watline P. | 29 | 9 | | 21 | clining to |
| 11 | B | Sun in Sagitt. | 01 | 10 | Taur. | 3 | frost. |
| 12 | a | Craft. Mart. | 1 | 11 | | 15 | |
| 13 | B | 25 after Trin. | 2 | 12 | | 27 | |
| 14 | c | Tr. Erich | 3 | 13 | Gem. | 10 | |
| 15 | d | Cuculus | 4 | 14 | | 23 | |
| 16 | e | Dep. Cimon. | 5 | 15 | Cancer | 5 | |
| 17 | f | Wigo B. | 6 | 16 | | 19 | Windy and |
| 18 | B | Octab. Mart. | 7 | 17 | Leo | 2 | dry. |
| 19 | a | Elizabeth | 8 | 18 | | 15 | |
| 20 | B | 26 after Trin. | 9 | 19 | | 29 | |
| 21 | c | Discent. M. | 10 | 20 | Virgo | 13 | |
| 22 | d | Cestitus | 11 | 21 | | 27 | |
| 23 | e | Clemens | 12 | 22 | Libra | 11 | |
| 24 | f | Chrylogon | 13 | 23 | | 26 | |
| 25 | B | Quint. Mart. | 14 | 24 | Scorp. | 10 | Some hail on |
| 26 | a | Catherine | 15 | 25 | | 25 | rain towards |
| 27 | c | Advent Sund. | 16 | 26 | Sagit. | 9 | the lands |
| 28 | f | Term ends | 17 | 27 | | 24 | |
| 29 | d | Saturnine | 18 | 28 | Capr. | 7 | |
| 30 | e | S. Andrew. | 19 | 30 | | 21 | |

December hath xxxi days.

First quarter the 5 day, 40 min. past 2 after noon.
 Full moon the 13 day, 50 min. past 1 after noon.
 Last quarter the 20 day, 45 min. past noon.
 New moon the 27 day, 35 min. past 1 after noon.

| | | | | | | | |
|----|---|----------------|----|----|--------|----|---------------|
| 1 | f | Daniel | 20 | 31 | Aquar. | 4 | |
| 2 | p | Albanus | 21 | 32 | | 17 | |
| 3 | a | Dep. Dan. | 22 | 34 | | 29 | Frosty |
| 4 | m | 2 sun. in Adv. | 23 | 35 | Pisces | 11 | weather. |
| 5 | c | Sabine | 24 | 36 | | 23 | |
| 6 | d | Nicholas | 25 | 37 | Aries | 5 | |
| 7 | e | Ambrose | 26 | 39 | | 17 | |
| 8 | f | Concep. Mary | 27 | 40 | | 29 | |
| 9 | g | Cyprian | 28 | 41 | Taur. | 11 | |
| 10 | a | Eutelia | 29 | 42 | | 23 | |
| 11 | e | Sun. in Capr. | 30 | 44 | Gem. | 5 | |
| 12 | t | Elfred | 1 | 45 | | 18 | Indifferent |
| 13 | d | Lucia Virg. | 2 | 46 | Canc. | 21 | good weather |
| 14 | e | Enoch | 3 | 48 | | 15 | considering |
| 15 | f | Valerian | 4 | 49 | | 23 | the season of |
| 16 | g | Quintian | 5 | 50 | Leo | 12 | the Year. |
| 17 | a | Ignatius | 6 | 51 | | 26 | |
| 18 | m | 2 sun. in Adv. | 7 | 53 | Virgo | 10 | |
| 19 | c | Eusebius | 8 | 54 | | 24 | |
| 20 | d | Julian | 9 | 55 | Libra | 8 | |
| 21 | e | Thomas | 10 | 57 | | 22 | |
| 22 | f | 30 Mart. | 11 | 58 | Scorp. | 16 | |
| 23 | g | Wigor | 12 | 59 | | 20 | |
| 24 | a | St. Eb. fa. | 14 | 0 | Sagit. | 4 | Some rain or |
| 25 | m | Christmas day | 15 | 2 | | 18 | snow toward |
| 26 | c | Stephen | 16 | 3 | Capr. | 2 | the Years |
| 27 | d | Joan | 17 | 4 | | 16 | end. |
| 28 | e | H. Innocent | 18 | 5 | | 29 | |
| 29 | f | Tho. Becket | 19 | 7 | Aquar | 12 | |
| 30 | g | Tr. Jacob | 20 | 8 | | 25 | |
| 31 | a | Spilbecher | 21 | 9 | Pisces | 7 | |

Swallow 1692.

A Regal Table in a more exact manner.

The Year, Month, and Days The number of Years, Months, and Days (accounting the Year to begin Jan. 1.) whereon, every King and Queen of Eng. since the Conquest began their reign.

The number of Years, Months, and Days expired in this Y. (accounting the Year to begin Jan. 1.) whereon, every King and Queen of Eng. since the Conquest began their reign.

28 da. to a month, since they ended.

| | | | | | | | | |
|--------------|------|----------------|----|----|------|------|-------|--------------|
| K. W. Cong. | 1066 | Octob. | 14 | 20 | y 11 | m 22 | d 626 | K. W. Cong. |
| W. Rufus | 1087 | Sept. | 9 | 12 | y 11 | m 18 | d 605 | W. Rufus |
| Henry | 1100 | August | 1 | 35 | y 4 | m 11 | d 592 | Henry |
| Steven | 1135 | Decem. | 2 | 18 | y 11 | m 18 | d 557 | Steven |
| Henry | 1154 | Octob. | 15 | 34 | y 9 | m 2 | d 538 | Henry |
| Richard | 1189 | July | 6 | 9 | y 9 | m 0 | d 503 | Richard |
| John | 1199 | April | 6 | 17 | y 7 | m 0 | d 493 | John |
| Henry | 1216 | Octob. | 19 | 56 | y 1 | m 0 | d 476 | Henry |
| Edward | 1271 | Nov. | 16 | 34 | y 8 | m 6 | d 410 | Edward |
| Edward | 1307 | July | 7 | 19 | y 7 | m 5 | d 385 | Edward |
| Edward | 1327 | Jan. | 15 | 30 | y 5 | m 7 | d 365 | Edward |
| Richard | 1377 | June | 21 | 22 | y 3 | m 14 | d 315 | Richard |
| Henry | 1399 | Sept. | 29 | 13 | y 6 | m 3 | d 293 | Henry |
| Henry | 1413 | March | 20 | 9 | y 5 | m 24 | d 279 | Henry |
| Henry | 1422 | August | 31 | 38 | y 6 | m 16 | d 270 | Henry |
| Edward | 1461 | March | 4 | 22 | y 1 | m 8 | d 231 | Edward |
| Edward | 1483 | April | 9 | 0 | y 2 | m 18 | d 209 | Edward |
| Richard | 1483 | June | 22 | 2 | y 2 | m 5 | d 209 | Richard |
| Henry | 1485 | August | 22 | 23 | y 10 | m 24 | d 167 | Henry |
| Henry | 1509 | April | 22 | 37 | y 10 | m 2 | d 163 | Henry |
| Edward | 1547 | Jan. | 28 | 6 | y 5 | m 19 | d 139 | Edward |
| Q. Mary | 1553 | July | 6 | 35 | y 4 | m 22 | d 139 | Q. Mary |
| Q. Elizabeth | 1558 | Nov. | 17 | 44 | y 4 | m 15 | d 134 | Q. Elizabeth |
| James | 1603 | March | 24 | 22 | y 0 | m 3 | d 89 | James |
| Charles | 1629 | March | 27 | 32 | y 10 | m 3 | d 67 | Charles |
| Charles | 1648 | Jan. | 30 | 36 | y 0 | m 0 | d 43 | Charles |
| James | 1685 | Febr. | 7 | 6 | y 0 | m 0 | d 17 | James |
| William | 3 | Whom God grant | | | | | | 3 |
| Mary | 2 | long to Reign. | | | | | | 2 |

The Use of the Table in Example.

King Henry 8 began his Reign in the Year of Christ 1509, April 23. He Reigned 37 Years, 10 months, and 2 Days. It is since he began his Reign 183 years complete the 21 of April this year 1692. Now to know the time since the end of his Reign, before his name standing on the right hand, you shall there find 145 Years since he died, Jan. 28. And so of the rest.

SWALLOW.

The latter part of this
ALMANACK
for the Year of our
LORD GOD
1692.

Being the Bissextile or Leap-year, and
from the Conquest of *England* by *William*
Duke of Normandy 626 years

Wherein is contained an account of the Eclipses,
the time of the Sun's entrance into the four
Cardinal Signs. Likewise an account of the
Julian and Bissextile or Leap-year, as also
of the Solar and Lunar years; and how to
know what weather is likely to follow by
the Sun, Moon and Stars, &c. Also rules with
several Examples for measuring of Land.
Likewise Tables of Weights and Measures,
A Table of Timber measure, with Rules for
measuring Boards and Timber, and Tables for
Purchasing explained, with other very de-
lightfull things.

*Poma dat Autumnus: formosa est messibus Aestas:
Ver prabet flores: Igne levatur Hyems.*

CAMBRIDGE,
Printed by *John Hayer*, Printer to the
University, 1692.

Swallow 1692.

Of the Eclipses this year.

THERE will be Five Eclipses this year, three of the Sun, and two of the Moon; but scarce any of them will appear to be seen much with us in England, three of them being wholly invisible to us, and the other will be small as to us.

The first Eclipsed of the Luminaries will be the Moon, falling on the 23^d of *January*, about 2 of the clock in the afternoon, in 14 degrees of *Leo*, invisible to us.

The Second will be the Sun, on *February* the Ninth about five of the Clock in the afternoon, Invisible.

The Third will be the Moon, on the 18 day of *July*, near four in the Morning, it will be a great Eclipse, and a great part of it may be seen of us, if it be clear. It is Celebrated in the sixth Degree of *Aquarius*.

The Fourth is of the Sun, upon the 2^d of *August*, after Nine in the Morning, 20 Degrees in *Leo*, it may be seen by us, if we have Glasses for that purpose, it will be but small, about a fourth part loseth light. I'll leave it, to them that will, to say more of it.

The Fifth and last is of the Sun also, on the 27th of *December*, two hours after noon, in 17 Degrees of *Capricorn*, but one twelfth part thereof will lose it's light, which will be so little, that it will scarce be seen of us.

The Suns entrance into the four Cardinal Signs.

HE enters ♈, *March* the 10 day. 50 minutes past 5 a Clock in the Afternoon, and then begins our Spring Quarter.

He enters ♋, *June* the 11 at 20 minutes past 7 at night and then begins our Summer Quarter.

He enters ♏, *September* the 13 at 48 minutes past 10 of the Clock at night, and then begins our Autumn.

He enters ♐, the 12 day of *December* at 4 of the Clock in the Morning and then begins our Winter Quarter.

Swallow 1692.

To Measure Land.

I Do not here intend to show how to Plot and Measure all kind of Land by any manner of Instrument whatsoever, but only shall give the plain and honest Countrey Man some short directions, how he may come something near to know what his Lands amount to; for oftentimes (we see) they have occasion to know what some small Parcels of Ground do contain (perhaps little Closes, Leys, or Lands in the open Fields) and cannot oftentimes (without a great deal of trouble) procure a Surveyor, and therefore I hope these few and plain directions following, will not be thought unnecessary: But before we enter upon the same, let me tell him, he must provide a short Chain, or if he cannot conveniently do that, let him take a string, or a Pole of wood, that is streight and slender, and divide it into Two Perches, each to contain sixteen Feet and an half, and every of these Perches must be divided into Halves and Quarters at the least; which being done, he may then proceed to measure his Land as followeth.

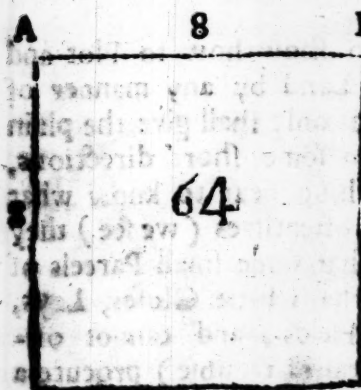
First, If Land be just Square like unto the following Figure *ABCD*, then multiply the side in it self, and the Product is the superficial capacity. Example, suppose the square *ABCD*

B 2

be

Swallow 1592.

be a piece of Land, and the side thereof contain 8 Perches, therefore Multiply 8 into it self, and the Product is 64 ; and



so many Perches doth that square Piece of Land contain. But if you cannot Multiply, you may account by your memory, saying 8 times 8, which you shall find to make 64, as aforesaid ; that is 0 Acr. 1 Rood, and 24 Perches : for 40 Perches make a Rood, 80 half an Acre, 120

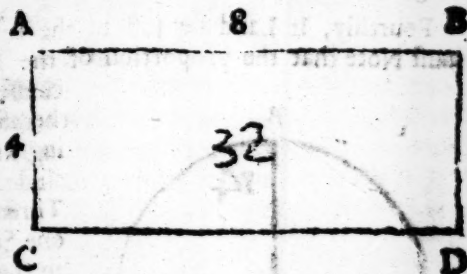
Three Roods, and 160 an Acre.

Secondly, If Land lie in the Form of a long Square or Parallelogram, having the opposite sides equal, like the following Figure A B C D, then multiply the longer side by the shorter and the Product is the content. Example, Suppose the next Figure A B C D be a piece of Land whose longer side A B (equal to C D) is 8 Perches and the lesser side A C 4 Perches, Now if you Multiply 8 by 4, the Product 32 is the content of this piece of Land in Perches : After this manner may all kind of Lands in the open fields be measured, for though the one end be broader then the other ;

yet

yet the breadth being taken at the ends, you must add them together and take the half thereof,

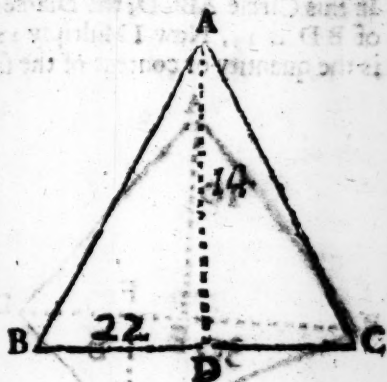
Example, suppose the length of a Land taken in the field be 44 Perches, the breadth at one end 5, and the breadth at the other end 3 Perches,



their Summ 8, the half thereof 4, is the true breadth, then say 4 times 44 is 176, and that is 1 Acre, and 16 Perches for the content of that Land.

Thirdly, If Land lie in the shape of a Triangle like this Figure, you

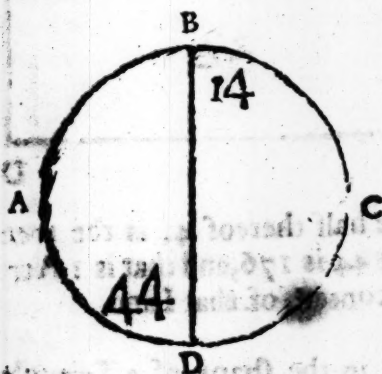
are to Multiply the Perpendicular by half the Base, and the Product sheweth the content. Example, In this Figure the Base BC is 22 Perches, and the Perpendicular AD 14, which I multiply by the half Base 11, and the Product 154



is the content of the said Land in Perches, Remembering that we call the greater side of the Triangle

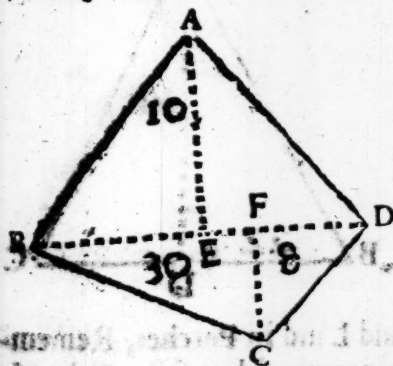
the Base, whereon the Perpendicular (coming from the opposite Angle) must fall square-wise, that is making right Angles therewith.

Fourthly, If Land be just in the form of a Circle, you must Note that the proportion of the Diameter to the Circumference is as 7 to 22,



therefore the Diameter being known, you may conclude the Compass to be Three times so much, and one Seventh part more. As in this Circle ABCD, the Diameter BD is 14, and therefore the Compass is 44. To measure this piece of Land, Multiply half the Circumference by half the Diameter, and the product is the content. Example,

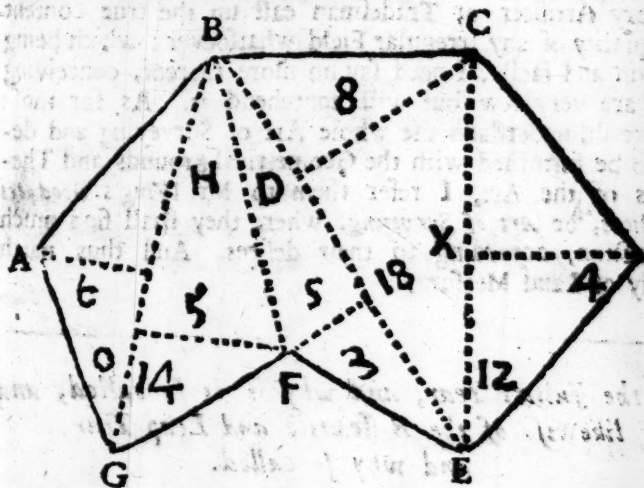
In this Circle ABCD, the Diameter or greatest breadth thereof BD is 14, Now I Multiply 22 by 7, and the Product 154 is the quantity or content of the said piece of Land.



Fifthly, When Land lies in the fashion of this Figure ABCD, which is called a Trapezie; then Multiply the Sum of the Two Perpendiculars, by half the Base, and you shall have the superficial capacity thereof. Example, First I draw the Diagonal-Line BD, and thereon let fall the Perpendiculars AE and CF at Right Angles upon the Base BD,

B.D. then I measure A E, and find it 10 Perches, and C F 8, their Summs are 18, which I Multiply by half the Base B D 15. and the Product is 270 Perches; that is 1 Acre, 1 Roods, and 30 Perches for the content of the piece of Land A B C D.

Sixthly. But if Land lie irregular, and be full of Nooks and Corners, then the best way will be to divide it into Trapezies and Triangles upon the Ground, which may be done by setting up little Sticks in a straight Line between corner and corner; as in this irregular Figure noted with the Letters A B C D E F G, where I draw Lines from one Angle to another, B G; B F, B E, C E, and so is the Figure reduced into the Trapezies A B G F, B F E C, and into the Triangle C D E. Then cast up the content of 3 Trapezies, and the Triangle as before is shewed, and their Sum is the content of this irregular Figure.



Example, In the Trapezie A B F G, the Summs of the Perpendiculars A H and F O are 6, and the half of the Base B G 9

Swallow 1692.

Base BG 7, which Multiplied together, make 77 for the content of the Trapezie ABFG. Again, in the Trapezie BCEF, the Sums of the Perpendiculars FS and CD are 11, and half the Base BE is 9, which Multiplied together make 99 for the content of that Trapezie. Thirdly, In the Triangle CDE, the half Base CE 6, Multiplied by DX 4, the Perpendicular maketh 24, the content of the Triangle CDE. Lastly, Add together the 2 Trapezies and the Triangle, and the Sum is the content of the whole irregular Figure ABCDEFG.

| | | | | | | |
|----------|---|-----------|---|----------|---|----------|
| Example, | { | Trapezies | { | ABFG 77. | } | Sum 200. |
| | { | Triangle | { | CDE 24. | } | |

These Three Numbers being added together, make 200 Perches, which is 1 Acre and 1 Rood; and so much doth this irregular Figure contain. After this manner may any ordinary Artificer or Tradesman cast up the true content and quality of any irregular Field whatsoever; which being so plain and facile, I need say no more thereof, conceiving there are very few but will apprehend it. As for those that would understand the whole Art of Surveying and desire to be furnished with the Geometrical grounds and Theorems of the Art, I refer them to Mr. Wing's *Geodætes Practicus*, or *Art of Surveying*, where they shall find much Satisfaction, according to their desires. And thus much briefly of Land Measure.

Of the Julian Year, and why it is so called, and likewise of the Bissextile and Leap-Year, and why so called.

THE Julian Year is that which we use at this present day, which of all other years draweth nearest to the Tropicall-Year: for this year consisteth of 365 days and six

fix hours, which six hours if they should be reckoned every year, it would make a great confusion; and therefore it is reckoned at the end of every fourth year, which fourth year consisteth of 366 days: for 4 times 6, make 24 hours, which is one whole natural day; wherefore that year is called Leap-year, as is this present year. And thereby the Julian Year is said to be twofold, that is, common, containing 365 days, and the other Bissextile or Leap-year, containing 366 days: This word Bissextile is derived of *Bis* and *Sextus*, because the sixth day before the Callends of March, is twice repeated or reckoned; which is indeed the 25 day of February. The reason why this year is called the Julian Year, is because *Julius Caesar* the first Monarch of the Roman Empire, caused the Year (according to the course of the Sun) to be reduced to the number of days and hours before expressed; who brought an excellent Astronomer at his coming, with him from Egypt, as well for that purpose, as to teach the Mathematical disciplines to the Romans: yet you have to consider, that the Julian Year, being greater then the Tropicall-Year, doth cause great diversity, in that it maketh as well Equinoctiall and Solstitial points, as also the entrance of the Sun into the other Signs by little and little, to anticipate or turn before: for whereas in *Julius Caesar's* time, the Vernal Equinox was the 23 of March, the same Equinox is now about the 11th day of March, which is sooner by 12 days.

Which error was corrected in Rome by *Lilian* at the command of Pope *Gregorie*, in the year 1582, which is 110 years since, and that is the reason that their Feast of *Christmas* is 10 days before ours.

Now whether it be better for ours to be corrected, or to retain it in the form that it is now in, I'll leave it to others to Judge.

Of the Lunar-Year, both common and extraordinary

OF Lunar-Years there be two kinds, one is called in Latine, *annus communis*, the other is called *Embolismalis*. The common Lunar-year is the space of twelve Moons (not Months) or changes, which the Latines call Lunations. It is called the common year Lunar, in respect of his accord with the Solar year: for as the one contains 12 Months Lunar, so the other consisteth of 12 Months Solar, the one having 365 days, the other 354, omitting the odd hours in them both: so that the Solar-year exceedeth the common Lunar-year 11 days, of which the Epact taketh it's originall.

How to Judge what weather will follow, by the rising and setting of the Sun, &c.

THE Sun rising bright and clear, signifieth a pleasant day. If it rise fiery red, it promisseth rain. If in his rising he is overcast with a cloud, it betokeneth foul weather. Moreover if at his rising, it seem greater in the East, then usually it doth appear, it shews there are Vapours that will produce rain. If at the rising of the Sun, his beams seem red, or long, or incompassed with red clouds, it foreshews winds and raine. If the Sun after his rising be quickly hid behind a black cloud, or if Vapours are seen to ascend up to it, it is a sign of rain that day. If the Sun drive the clouds before him into the West, or look Bright it betokeneth fair weather. If at his rising there appear a Circle about him, and vanisheth away equally; or if mists come down from hills, or seem to descend from the Sky, it foresheweth fair weather. If at his setting, he be of divers colours, or there appear a thick black cloud in the West, it threatneth rain very soon after,

ter, If there be many circles, it signifieth wind. If the circles are here and there broken, and ate thick and black, look for cold winds or Snow, the redder the circles are the more vehement winds.

How weather is foreknown by the Moon.

If the Moon the third day after her Change, or three days before her Full, or in the midst of her quarter be found of pure light, nothing encompassing her, the ends direct up she promiseth fair weather; but bent to red colour provoketh winds. The Moon pale, or blackish, or somewhat thick, or having a circle about it the fourth day after the change, or if the tipps of her horns be blunt, and thicker then ordinary, it presageth rain: If sharp and pointed upwards, winds.

Of the Judgement of the weather by the stars.

It is observed, that if the Stars appear more bright, and seem to blaze, and are bigger then ordinary, that great winds, and much moisture will follow, in those parts where they seem to be so: and in winter when they look as aforesaid, great Frosts ensue, and cold weather. Also when dim Stars appear, with long fiery tails, it threatneth winds and drought, the more in number the greater will be the effect. Likewise when stars seem to shoot and fall, it signifieth great winds in that place: If they shoot in divers places it sheweth divers winds. If in all places, Winds, Thunder and most tempestuous weather followeth.

Swallow. 1692.

Of divers Cities out of England, how long
their day is there, and how far they
are off from London.

Virginia, Their longest day is 14 hours and 28 minutes
It lyeth West South-West 3650 miles from London.

Babylon, their longest day is 14 hours and 14 minutes. It
is East South-East 2710 miles from London.

Jerusalem, their longest day is 14 hours and 14 minutes.
It lyeth South-East by East 3320 miles from London.

Constantinople, their longest day is 15 hours 24 minutes.
It is East South-East 1480 miles from London.

Rome, their longest day is 15 hours 4 minutes. It is
South-East 896 miles from London.

Lybon, their longest day is 14 hours 44 minutes. It
is South South-West 776 miles from London.

Geneva, their longest day is 15 hours 34 minutes. And
South-East 440 miles from London.

Dublin, their longest day is 16 hours 44 minutes. It is
North-West and by North 290 miles from London.

Edenborough, their longest day is 17 hours 23 minutes.
It lyeth North North-West and 286 miles from London.

Paris, their longest day is 16 hours 2 minutes. It lyeth
South-East and by South and 210 miles from London.

In all which places aforesaid, their longest day differeth
not much from our longest day in England; Albe, you must
understand, there are some places where their longest day
is in length as long as many of our days and months to-
gether. And elsewhere, their day lasteth half the year to-
gether, without any night, and the other half of the year
is all night. Yet here the old proverb is verified: the
longest day and night will have an end. And therefore, I
wish heartily, that all men would remember, that whatso-
ever they take in hand will have an end also, and thereby
they should be wary of doing amiss, for *Ultima semper ex-
petenda dies.*

Swallow 1692.

A plain and easie Table shewing the true Interest due upon any Sum of Money from five Shillings to an Hundred Pounds, for a Year or under, after the rate of Six Pounds in the Hundred.

| | Shil. | 1 month. | | | 3 months | | | 6 months | | | 9 months | | | A Year. | | |
|-----------------|-------|----------|-----|----|----------|-----|----|----------|-----|----|----------|-----|----|---------|-----|----|
| | | sh. | p. | q. | sh. | p. | q. | sh. | p. | q. | sh. | p. | q. | sh. | p. | q. |
| | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 1 | 2 | 0 | 3 | 2 |
| | 10 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 3 | 2 | 0 | 5 | 0 | 0 | 7 | 0 |
| | 15 | 0 | 0 | 3 | 0 | 2 | 2 | 0 | 5 | 1 | 0 | 8 | 2 | 0 | 10 | 2 |
| Pounds. | 1 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 0 | 10 | 2 | 1 | 2 | 1 |
| | 2 | 0 | 2 | 1 | 0 | 7 | 0 | 1 | 2 | 1 | 1 | 9 | 1 | 2 | 4 | 2 |
| | 3 | 0 | 3 | 2 | 0 | 10 | 2 | 1 | 9 | 1 | 2 | 7 | 3 | 3 | 6 | 3 |
| | 4 | 0 | 4 | 3 | 1 | 2 | 1 | 3 | 4 | 2 | 3 | 6 | 3 | 4 | 9 | 0 |
| | 5 | 0 | 6 | 0 | 1 | 6 | 0 | 3 | 0 | 0 | 4 | 6 | 0 | 6 | 0 | 0 |
| | 6 | 0 | 7 | 0 | 1 | 9 | 2 | 3 | 7 | 0 | 5 | 4 | 2 | 7 | 2 | 1 |
| | 7 | 0 | 8 | 1 | 2 | 1 | 0 | 4 | 2 | 1 | 6 | 3 | 1 | 8 | 4 | 2 |
| | 8 | 0 | 9 | 2 | 2 | 4 | 2 | 4 | 9 | 1 | 7 | 1 | 3 | 9 | 6 | 3 |
| | 9 | 0 | 10 | 3 | 2 | 8 | 1 | 5 | 4 | 2 | 8 | 0 | 3 | 10 | 9 | 0 |
| Tens of Pounds. | | po. | sh. | p. | po. | sh. | p. | po. | sh. | p. | po. | sh. | p. | po. | sh. | p. |
| | 10 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 9 | 0 | 0 | 12 | 0 |
| | 20 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 12 | 0 | 0 | 18 | 0 | 1 | 4 | 0 |
| | 30 | 0 | 3 | 0 | 0 | 9 | 0 | 0 | 18 | 0 | 1 | 7 | 0 | 1 | 16 | 0 |
| | 40 | 0 | 4 | 0 | 0 | 12 | 0 | 1 | 4 | 0 | 1 | 16 | 0 | 2 | 8 | 0 |
| | 50 | 0 | 5 | 0 | 0 | 15 | 0 | 1 | 10 | 0 | 2 | 5 | 0 | 3 | 0 | 0 |
| | 60 | 0 | 6 | 0 | 0 | 18 | 0 | 1 | 16 | 0 | 2 | 14 | 0 | 3 | 12 | 0 |
| | 70 | 0 | 7 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 3 | 3 | 0 | 4 | 4 | 0 |
| | 80 | 0 | 8 | 0 | 1 | 4 | 0 | 2 | 8 | 0 | 3 | 12 | 0 | 4 | 16 | 0 |
| | 90 | 0 | 9 | 0 | 1 | 7 | 0 | 2 | 14 | 0 | 4 | 1 | 0 | 5 | 8 | 0 |
| | 100 | 0 | 10 | 0 | 1 | 10 | 0 | 3 | 0 | 0 | 4 | 10 | 0 | 6 | 0 | 0 |

Find the Principal in the first Column, and in the other you have the Interest due for One, Three, Six, Nine, or Twelve months.

Or

Of Weights and Measures.

Of Troy Weight.

| | | |
|---------------|--------|-------------|
| 24 Grains | } make | 1 Peny w. |
| 20 Peny weig. | | 1 Ounce. |
| 12 Ounces | | 1 pou. Troy |

Apothecaries Weight.

| | | |
|------------|--------|------------|
| 20 Grains | } make | 1 Scruple. |
| 3 Scruples | | 1 Dram. |
| 8 Drams | | 1 Ounce. |
| 12 Ounces | | 1 Pound. |

Of *Averdupois* Weight, a Pound whereof is equal to 14 Ounces, 12 peny weight Troy; by which Weight is weighed any thing which beareth the name of Garbel in this kind of weight

| | | |
|-----------|--------|-----------|
| 16 Drams | } make | an Ounce. |
| 16 Ounces | | a Pound. |

| | | |
|-------------|--------|-------------|
| 28 Pound | } make | 1 Quarter. |
| 4 Quarters | | 1 H. or 112 |
| 20 Hundreds | | 1 Tun. |

Of Liquid Measure.

| | | |
|------------------------|--------|----------------------------------|
| 2 Pints | } make | 1 Quart. |
| 2 Quarts | | 1 Pottle. |
| 2 Pottles | | 1 Gallon |
| 8 Gallons | | 1 Firkin of Ale, Sope, Herrings. |
| 9 Gallons | | 1 Firkin of Beer. |
| 10 Gall. $\frac{1}{2}$ | | 1 Firkin of Salmon or Eels. |
| 2 Firkins | | 1 Kilderkin |
| 2 Kilderkins | | 1 Barrel. |
| 42 Gallons | | 1 Tierce of Wine. |
| 63 Gallons | | 1 Hogshead |
| 4 Hogsheads | | 1 pipe, Buttr. |

Dry Measure.

| | | |
|------------|--------|------------------------|
| 2 Gallons | } make | 1 Peck. |
| 4 Pecks | | 1 Bushel land measure. |
| 5 Pecks | | 1 Bushel wat. measure. |
| 8 Bushels | | 1 Quarter. |
| 4 Quarters | | 1 Chalden. |
| 5 Quarters | | 1 Wey. |

Long Measure.

| | | |
|---------------------------|--------|-------------|
| 3 Barly Corns | } make | 1 Inch. |
| 12 Inches | | 1 foot. |
| 3 feet | | 1 Yard. |
| 3 feet 9 Inch. | | 1 Ell. |
| 6 feet | | 1 fathom. |
| 5 yards and $\frac{1}{2}$ | | 1 Pole. |
| 40 Poles | | 1 furlong. |
| 8 furlongs | | 1 Eng. mile |

Land Measure.

1 pole in breadth and 40 in length make a Rood of Land.
4 Roods make an Acre, which contains 160 square pole.

Cloath Measure.

| | | |
|------------|--------|---------------|
| 4 Nails | } make | 1 Quarter. |
| 4 Quarters | | 1 Yard. |
| 5 Quarters | | 1 Ell. |
| 3 Quarters | | 1 Ell Flemish |

A Table shewing how many Inches in Length makes one Foot of Timber, according to the Compals of any Round Piece of Timber.

The Compals of the Tree in Inches.

| Com. | In. | parts. | Com. | In. | parts. | Com. | In. | parts. |
|------|-----|--------|------|-----|--------|------|-----|--------|
| 10 | 217 | 15 | 40 | 13 | 572 | 70 | 4 | 432 |
| 11 | 179 | 46 | 41 | 12 | 916 | 71 | 4 | 308 |
| 12 | 150 | 80 | 42 | 12 | 310 | 72 | 4 | 198 |
| 13 | 128 | 49 | 43 | 11 | 744 | 73 | 4 | 75 |
| 14 | 110 | 79 | 44 | 11 | 211 | 74 | 3 | 965 |
| 15 | 94 | 312 | 45 | 10 | 713 | 75 | 3 | 861 |
| 16 | 84 | 822 | 46 | 10 | 262 | 76 | 3 | 760 |
| 17 | 75 | 137 | 47 | 9 | 830 | 77 | 3 | 663 |
| 18 | 67 | 20 | 48 | 9 | 425 | 78 | 3 | 569 |
| 19 | 60 | 151 | 49 | 9 | 44 | 79 | 3 | 479 |
| 20 | 54 | 286 | 50 | 8 | 686 | 80 | 3 | 393 |
| 21 | 49 | 228 | 51 | 8 | 349 | 81 | 3 | 310 |
| 22 | 44 | 865 | 52 | 8 | 30 | 82 | 3 | 230 |
| 23 | 40 | 904 | 53 | 7 | 730 | 83 | 3 | 152 |
| 24 | 37 | 690 | 54 | 7 | 447 | 84 | 3 | 78 |
| 25 | 34 | 743 | 55 | 7 | 178 | 85 | 3 | 6 |
| 26 | 32 | 122 | 56 | 6 | 924 | 86 | 2 | 936 |
| 27 | 29 | 787 | 57 | 6 | 684 | 87 | 2 | 869 |
| 28 | 27 | 697 | 58 | 6 | 455 | 88 | 2 | 804 |
| 29 | 25 | 820 | 59 | 6 | 238 | 89 | 2 | 742 |
| 30 | 24 | 127 | 60 | 6 | 30 | 90 | 2 | 681 |
| 31 | 22 | 595 | 61 | 5 | 836 | 91 | 2 | 622 |
| 32 | 21 | 206 | 62 | 5 | 649 | 92 | 2 | 566 |
| 33 | 19 | 936 | 63 | 5 | 471 | 93 | 2 | 511 |
| 34 | 18 | 784 | 64 | 5 | 301 | 94 | 2 | 458 |
| 35 | 17 | 736 | 65 | 5 | 140 | 95 | 2 | 406 |
| 36 | 16 | 755 | 66 | 4 | 985 | 96 | 2 | 356 |
| 37 | 15 | 862 | 67 | 4 | 837 | 97 | 2 | 307 |
| 38 | 14 | 38 | 68 | 4 | 696 | 98 | 2 | 261 |
| 39 | 14 | 276 | 69 | 4 | 561 | 99 | 2 | 216 |
| | | | | | 100 | 2 | | 171 |

The use of the Table.

First give the Piece about, then look the length of that Give under the title Com. and against it is the length of a Foot solid in inches and parts of inches.

Example.

Suppose a piece of Timber be 80 Inches about, then look 80 under the title Com. and against it in the next Column toward the right hand is 3 Inches and 393 decimal parts of an Inch, (that is 393 thousand parts, supposing the Inch to be divided into 1000 parts) for the length of a Foot.

For Square Timber.

Divide always 1728. (the Cubick inches in a foot solid) by the Content at the end, and the Quotient shews the length of a foot solid in Inches.

Example.

Let a piece of Timber be 12 Inches broad and 10 Inches deep at the end, and then the Content will be 120 Inches, which dividing 1728 the Quotient is 14 Inches, and $\frac{48}{100}$ parts for the length of a foot solid.

For Boards.

Divide always 144 (the Inches in a foot square) by the breadth, and the Quotient shews the length of a foot square in Inches.

Example.

If a board be 16 Inches broad, then 144 divided by 16 the Quotient is 9 Inches for the length of a foot according to that breadth.

For Circles.

If the Circumference be given, multiply it by it self, and then by 7, the last product divide by 88, and the Quotient shews the Content: if the Diameter be onely given, multiply it by it self, and then by 11 the last product divide by 14 and the Quotient shews the Content.

A Table of the hour and minute of Sun-rising every second day.

| step | Januar. | | Februa. | | March | | April | | May | | June | |
|------|---------|-----|---------|-----|-------|-----|-------|-----|-----|-----|------|-----|
| | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. |
| 2 | 8 | 4 | 7 | 15 | 6 | 16 | 5 | 14 | 4 | 21 | 3 | 46 |
| 4 | 8 | 1 | 7 | 11 | 6 | 12 | 5 | 10 | 4 | 17 | 3 | 45 |
| 6 | 7 | 58 | 7 | 7 | 6 | 8 | 5 | 6 | 4 | 14 | 3 | 44 |
| 8 | 7 | 56 | 7 | 3 | 6 | 4 | 5 | 2 | 4 | 11 | 3 | 43 |
| 10 | 7 | 53 | 6 | 57 | 6 | 0 | 4 | 58 | 4 | 7 | 3 | 43 |
| 12 | 7 | 51 | 6 | 53 | 5 | 56 | 4 | 54 | 4 | 5 | 3 | 43 |
| 14 | 7 | 48 | 6 | 50 | 5 | 52 | 4 | 50 | 4 | 2 | 3 | 43 |
| 16 | 7 | 45 | 6 | 46 | 5 | 48 | 4 | 46 | 4 | 0 | 3 | 44 |
| 18 | 7 | 43 | 6 | 42 | 5 | 44 | 4 | 43 | 3 | 58 | 3 | 45 |
| 20 | 7 | 40 | 6 | 38 | 5 | 40 | 4 | 39 | 3 | 56 | 3 | 46 |
| 22 | 7 | 37 | 6 | 34 | 5 | 36 | 4 | 35 | 3 | 54 | 3 | 47 |
| 24 | 7 | 33 | 6 | 30 | 5 | 32 | 4 | 32 | 3 | 52 | 3 | 48 |
| 26 | 7 | 29 | 6 | 26 | 5 | 29 | 4 | 29 | 3 | 50 | 3 | 49 |
| 28 | 7 | 25 | 6 | 22 | 5 | 25 | 4 | 25 | 3 | 48 | 3 | 50 |
| 30 | 7 | 21 | 0 | 0 | 5 | 21 | 4 | 22 | 3 | 47 | 3 | 52 |

| step | July | | August | | Septem. | | Octob. | | Nov. | | Decem | |
|------|------|-----|--------|-----|---------|-----|--------|-----|------|-----|-------|-----|
| | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. | ho. | mi. |
| 2 | 3 | 54 | 4 | 39 | 5 | 39 | 6 | 41 | 7 | 37 | 8 | 15 |
| 4 | 3 | 56 | 4 | 43 | 5 | 42 | 6 | 45 | 7 | 40 | 8 | 15 |
| 6 | 3 | 58 | 4 | 46 | 5 | 46 | 6 | 49 | 7 | 44 | 8 | 16 |
| 8 | 4 | 0 | 4 | 50 | 5 | 50 | 6 | 52 | 7 | 47 | 8 | 17 |
| 10 | 4 | 3 | 4 | 54 | 5 | 54 | 6 | 56 | 7 | 51 | 8 | 17 |
| 12 | 4 | 6 | 4 | 58 | 5 | 58 | 7 | 0 | 7 | 54 | 8 | 17 |
| 14 | 4 | 8 | 5 | 2 | 6 | 2 | 7 | 4 | 7 | 57 | 8 | 17 |
| 16 | 4 | 11 | 5 | 6 | 6 | 6 | 7 | 8 | 7 | 59 | 8 | 16 |
| 18 | 4 | 15 | 5 | 10 | 6 | 11 | 7 | 12 | 8 | 1 | 8 | 15 |
| 20 | 4 | 18 | 5 | 14 | 6 | 15 | 7 | 15 | 8 | 3 | 8 | 15 |
| 22 | 4 | 21 | 5 | 18 | 6 | 20 | 7 | 19 | 8 | 5 | 8 | 14 |
| 24 | 4 | 24 | 5 | 21 | 6 | 24 | 7 | 22 | 8 | 7 | 8 | 12 |
| 26 | 4 | 27 | 5 | 25 | 6 | 28 | 7 | 25 | 8 | 9 | 8 | 10 |
| 28 | 4 | 30 | 5 | 29 | 6 | 32 | 7 | 29 | 8 | 11 | 8 | 9 |
| 30 | 4 | 34 | 5 | 32 | 6 | 36 | 7 | 32 | 8 | 13 | 8 | 7 |

Seek the day on the side; and right against it, in every month, you have the hour and minute of the Sun-rising.

Look how many minutes the Sun rises after 3, 4, 5, 6, 7, 8. So many he sets before 9, 8, 7, 6, 5, 4.

A Table of Annuities and Reversions.

What 1 pound to
be paid any num-
ber of years hence,
under 31, is worth
in ready money.

What 1^{lb} Annuity
to continue any time
under 31 years is
worth in ready mo-
ney at 6 per cent.

What 1 pound will
amount to at any
time under 21 year
reckoning Interest
upon Interest.

| | sh. | d. | q. | lb. | sh. | d. | q. | lb. | sh. | d. | q. |
|----|-----|----|----|-----|-----|----|----|-----|---|----|----|
| 1 | 18 | 10 | 2 | 0 | 18 | 10 | 2 | 1 | 1 | 2 | 2 |
| 2 | 17 | 9 | 2 | 1 | 16 | 8 | 0 | 1 | 2 | 5 | 2 |
| 3 | 16 | 9 | 2 | 2 | 13 | 5 | 2 | 1 | 3 | 9 | 3 |
| 4 | 15 | 10 | 0 | 3 | 9 | 3 | 2 | 1 | 5 | 3 | 0 |
| 5 | 14 | 11 | 1 | 4 | 4 | 3 | 0 | 1 | 6 | 9 | 0 |
| 6 | 14 | 1 | 1 | 4 | 18 | 4 | 1 | 1 | 8 | 4 | 2 |
| 7 | 13 | 3 | 2 | 5 | 11 | 7 | 3 | 1 | 10 | 0 | 3 |
| 8 | 12 | 6 | 2 | 6 | 4 | 2 | 1 | 1 | 11 | 10 | 2 |
| 9 | 11 | 10 | 0 | 6 | 16 | 0 | 1 | 1 | 13 | 9 | 2 |
| 10 | 11 | 2 | 0 | 7 | 7 | 2 | 1 | 1 | 15 | 9 | 3 |
| 11 | 10 | 6 | 2 | 7 | 17 | 8 | 3 | 1 | 17 | 11 | 2 |
| 12 | 9 | 11 | 1 | 8 | 7 | 8 | 0 | 2 | 0 | 3 | 0 |
| 13 | 9 | 4 | 2 | 8 | 17 | 0 | 2 | 2 | 2 | 7 | 3 |
| 14 | 8 | 10 | 0 | 9 | 5 | 10 | 3 | 2 | 5 | 2 | 2 |
| 15 | 8 | 4 | 0 | 9 | 14 | 3 | 0 | 2 | 7 | 11 | 1 |
| 16 | 7 | 10 | 2 | 10 | 2 | 1 | 2 | 2 | 10 | 9 | 2 |
| 17 | 7 | 5 | 0 | 10 | 9 | 6 | 2 | 2 | 13 | 10 | 2 |
| 18 | 7 | 0 | 0 | 11 | 16 | 6 | 2 | 3 | 17 | 1 | 0 |
| 19 | 6 | 7 | 1 | 11 | 3 | 2 | 0 | 3 | 0 | 6 | 0 |
| 20 | 6 | 2 | 3 | 11 | 9 | 4 | 2 | 3 | 4 | 1 | 3 |
| 21 | 5 | 10 | 2 | 11 | 15 | 3 | 1 | 3 | 7 | 11 | 3 |
| 22 | 5 | 6 | 2 | 12 | 0 | 10 | 0 | 3 | By this Table you may readily find the increase of any other summe for such a num- ber of years: for if it come to so much then such suppose 5 ^{lb} will come to 5 times as much &c. | | |
| 23 | 5 | 2 | 3 | 12 | 6 | 0 | 3 | 3 | | | |
| 24 | 4 | 11 | 1 | 12 | 11 | 0 | 0 | 0 | | | |
| 25 | 4 | 7 | 2 | 12 | 15 | 8 | 0 | 0 | | | |
| 26 | 4 | 4 | 3 | 13 | 0 | 0 | 3 | 2 | | | |
| 27 | 4 | 1 | 3 | 13 | 4 | 2 | 2 | 2 | | | |
| 28 | 3 | 11 | 0 | 13 | 8 | 1 | 3 | 2 | | | |
| 29 | 3 | 9 | 1 | 13 | 11 | 9 | 2 | 2 | | | |
| 30 | 3 | 5 | 3 | 13 | 15 | 3 | 2 | 2 | | | |

The

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The use of the Tables.

THE first Table shewing the decrease of one Pound yearly at 6 per cent. may be used in buying Reversions, &c. As suppose a parcel of Land or House or the like, whose fee simple or real worth is 200^{lb}, and it be Mortgaged or Leased out for 20 years, then what is the Reversion thereof after that 20 years worth in ready Money? for answer, I look against 20 years and find that the Reversion of one Pound after 20 years is worth but 6^{sh} 2^d 3^q, then if 1^{lb} be worth 6^{sh} 2^d 3^q, 200^{lb} will be 200 times as much, which will be 62^{rb} 5^{lb} 10^d for the value of the reversion required.

The second Table may be used in buying of Leases, &c. as suppose I am to buy a Lease of 10^{lb} per annum, for 21 years, what ready money may I give at the rate of 6^{lb} per cent. per ann. for answer, I look against 21 years and find that 1^{lb} annuity to continue 21 years is worth in ready money 11^{lb} 15^{sh} 3^d 1^q, then I say if 1^{lb} annuity for 21 years be worth 11^{lb} 15^{sh} 3^d 1^q, then 10^{lb} annuity for the same time will be worth 10 times as much, which will be 117^{lb} 12^{sh} 8^d 2^q, for the value of the Lease required.

The third Table may be used in putting out money for a certain time at 6^{lb} per cent. per ann. as suppose 20^{lb} be let out for 7 years what will it amount to in that time, reckoning Interest upon Interest? For answer, I look against 7 years, and find that 1^{lb} will amount to in that time 1^{lb} 10^{sh} 0^d 3^q, then I say 20^{lb} will amount to 20 times as much, which will be 30^{lb} 1^{sh} 3^d.

The use of the following Table is plain and easie, for suppose I am to find Easter this present year 1692. then having found the Golden Number 2, and Dominical Letters CB at the bottom of the Table, I look under the Dominical Letter B at the top, and right against the Golden Number 2 at the left hand, and in the Common angle of meeting I find March 27 for Easter Day.

Smallow 1692.

A Table shewing how to find Easter for ever
by the help of the Golden Number
and Dominical Letter.

| G.N. | A | B | C | D | E | F | G |
|-------|---------|----|---------|----|---------|---------|--------|
| i | Apr. 9 | 10 | 11 | 12 | 6 | 7 | 8 |
| ii | Mar. 26 | 27 | 28 | 29 | 30 | 31 | apr. 1 |
| iii | Apr. 16 | 17 | 18 | 19 | 20 | 14 | 15 |
| iv | Apr. 9 | 3 | 4 | 5 | 6 | 7 | 8 |
| v | Mar. 26 | 27 | 28 | 29 | 21 | 24 | 25 |
| vi | Apr. 16 | 17 | 11 | 12 | 13 | 14 | 15 |
| vii | Apr. 2 | 3 | 4 | 5 | 6 | mar. 31 | apr. 1 |
| viii | Apr. 23 | 24 | 25 | 19 | 20 | 21 | 22 |
| ix | Apr. 9 | 10 | 11 | 12 | 13 | 14 | 8 |
| x | Apr. 2 | 3 | mar. 28 | 29 | 30 | 31 | apr. 1 |
| xi | Apr. 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| xii | Apr. 9 | 10 | 11 | 5 | 6 | 7 | 8 |
| xiii | Mar. 26 | 27 | 28 | 29 | 30 | 31 | 25 |
| xiv | Apr. 16 | 17 | 18 | 19 | 13 | 14 | 15 |
| xv | Apr. 2 | 3 | 4 | 5 | 5 | 7 | 8 |
| xvi | Mar. 26 | 27 | 28 | 22 | 23 | 24 | 25 |
| xvii | Apr. 16 | 10 | 11 | 12 | 13 | 14 | 15 |
| xviii | Apr. 2 | 3 | 4 | 5 | mar. 30 | 31 | apr. 1 |
| xix | Apr. 23 | 24 | 18 | 19 | 20 | 21 | 22 |

| Year of our Lord | 1691 | 1692 | 1693 | 1694 | 1695 | 1696 | 1697 |
|------------------------|------|------|------|------|------|------|------|
|------------------------|------|------|------|------|------|------|------|

| G.N. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------|---|----|---|---|---|----|---|
| D. Le. | D | CB | A | G | F | ED | C |

Tb

Swallow 1692.

The Names of the principal Fairs in England, as they have heretofore been set forth by others, and are now Corrected and continued for the common good.

January.

THE 5 day at Hicetford in Lancashire, the 6 day at Salisbury, Tuesday after at Melton-Mowbray, the Thursday after at Banbury: the third Tuesday in January at Potton: the 25 at Gravesend, Bristol, Churchinford, Northallerton in Yorkshire every Wednesday from Christmas till June.

February.

The 1 day at Bromley in Lancashire, the 2 at Reading in Berkshire, at Maidston, Bicklesworth, Bicklesfield, Bath, Lyn, Bugworth: the 6 day at Stafford for 6 days: the 14 at Oundle, Feverham: 24 at Henley upon Thames, Baldock: On Ashwednesday at Royston, Dunstable, Eaton, Tamworth, Tunbridg, Lichfield, Exeter, Ciceter. The first Thursday in Lent at Banbury: the 26 at Stanford an Horse Fair.

March.

The 3 day at Bromel-brakes in Norfolk, 4 at Bedford, at Oakham: 12 at Alsome in Norfolk, Sudbury, Wooburn, Stanford, at Wye: 13 at Bodwin in Cornwall: 20 at Durham, Alesbury: Munday before our Lady day at Kendal, at Wisbich. 25 at Huntington, Northampton, Malden, Ashweh in Hartfordshire, Newcastle, Oney, S. Albans: Midlent Saturday at Saffron-Walden: PalmSunday-eve at Wisbich, Worcester, Pomfret, on Goodfriday at Norwich, the Tuesday before Easter at Potton.

April.

Easter Munday at Oney in Bedfordshire, Gainsborough. Easter Tuesday at Daintry in Northamptonshire, Godmanchester, Schole in Norfolk, S. Edmunds-bury. On Wednesday at Wellingborough in Northamptonsh. On Friday

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in the same week at Darby. On Saturday at Bicklesworth :
2 day at Hitchin, at Rochford, Northfleet : 5 at Walling-
ford : 7 at Derby, 9 at Billingsworth, Bicklesworth : the
22 at Stabford, 23 at Ipswich, Harbin in Norfolk, North-
ampton, Saplar in Hartfordshire, Charing, Hunningham,
Tamworth, Bury in Lancashire. St Pombs in Cornwall,
Amphill, Chichester, Engfield, Gilford, Bishops-Hatfield :
the 25 at Buckingham, at Bourn in Lincoln. at Colebrook,
Dunmow in Essex, Darby, Oakham in Rutlandshire : the 29
at Tenderden in Kent, Cleet. 30 at Beverly a week together.

May.

The 1 day at Swaffam, Haveril in Essex, Laytonbuzzard
in Huntingtongshire, Rippon in York. Reading, Maidstone,
Chelmsford, Leicester, Litchfield, Lexfield in Suffolk, Stow,
Stansted, Tuxford in the Clay, the 3 day at Elstow in
Bedfordshire, Noneaton in Warwick. Thetford in Nor-
folk, Waltham Abby, Hunningham, Rochdale, Bramyard.
the 6 at Almesbury, at Ashford, 7 at Newton in Lanca-
shire, Beverly, Oxford, Bath : the 8 at Maidstone : the 19
at Rochester, Dunstable, Magfield in Suffolk. On Roga-
tion Munday at Reach. On Ascension day at Thaxted, Be-
verly, Rippon, Sudminster, Bishopstortford, S. Neots, Wick-
ham in Lancashire, Middle-wich in Cheshire, Chappel-
Frich in Darbish. On Whitsun-even at Skipton in Cra-
ven. On Whitsun-Munday at S. Ives, Rygate in Surry,
Bicklesworth, Bradford, Agmunsham in Buckinghamsh.
On Whitsun-Tuesday at Newmarket. On Wednesday at
Royston. Thursday at Oundle in Northampton. 26 at
Leaham, 29 at Crainbrook.

June.

Trinity-even at Rowel, Kendal. On Corpus Christi day
at Banbury, Bishopstortford, S. Neots, Coventry, Newbu-
ry. The 3 at Alesbury : 9 at Maidstone. 11 at Breme in
Norfolk, Bardfield in Essex. 17 at Hadstock, 23 at S. Al-
bans, Deerham in Norfolk, Shrewsbury, 24 at Halson in
Suffolk, Barnwel by Cambridge, Bedford, Colchester,
Hartford,

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Hartford, Leicester, Rumford, Reading, Windsor, Hallifax, York, Beverly, Haslingden, 26 at Bristol, Darby. 27 at Burton on Trent, Follstone. 28 at S. Pombs in Cornw. 29 at Peterborough, Althwel, Sudbury, Stebbing in Essex. Benington in Hartfordshire.

July.

The first Tuesday at Potton. The 1, 2, 3 days at Conglestone in Cheshire, 7 at Royston, Burntwood. The Munday after at Fodringham, at Canterbury: the 11 at Partney, 17 at Stevenage: 20 at Uxbridge, Coolidge, Woodstock. The 22 at Ickleton, Bickleworth, Norwich, Colchester, Newark upon Trent; 25 at Audley-end by Walden, Reading, Baldock, Darby, Dover, Erith, Ipswich, Stamford.

August.

The first day at Bedford, S. Neots, Dunstable, Faversham, Wisbich, Bickleworth, Thaxted: the 6 at Peterborough: the 10 at Blackmore, Harply in Norfolk, S. Ives, Bedford, Banbury, Farnham, Brainford, Oundle: the 15 at Cambridge, Huntingdon, Dunmow, Luton, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northallerton, Dover, Beggars-bush, Burton. the 28 at Ashford, Daintry, : the 29 at Halsen in Suffolk, Harlow-Bush in Essex, Watford.

September.

The first day at S. Giles in the Bush. On Thursday and Friday before the 8 day at Sandback in Cheshire. 7, 8, 9, 10 at Woodbury-hill in Dorsetshire, 7 at Ware, 8 at Huntingdon, Bury in Lancashire, Partney, Wakefield, Northampton, Sturbridge fair begins: The 11 at Woolpit in Suff. 14 at Rippon, Waltham-Abby, Chesterfield in Darbshire, Richmond: the 21 at Marlborough, Bedford, Baldock, S. Edmundsbury, Holden in Holderness, Braintry, Brackly-Maiden, Malden, Mildnal: the 29 at S. Ives, Basingstoke, Marketdeeping, Shelford in Bedfordsh. Bishopstratford, Malden, Stow in Lincolnsh. S. Albans, Canterbury, Leicester, Newbury, Westchester, Weymer for 7 days: Thursday after at Banbury.

October.

Swallow 1692.

October.

The 2 day at Salisbury, the 6 at Havent in Hampf. Maidstone, Coolidge, Gayworth by Lyn, S. Faiths by Norwich: the 8 at Bishopstrectford, Harborough, 9 Gainsborough: the 13 at Winsor, Colchester, Gravesend, Hitchin, Royston: the Tuesday before S. Luke at Potton: 18 at Ely, Bishop Hasfield, Barnet, Banbury, Thrift, Burton, on Trent, Wellinborough: the 21 at Saffron Walden, Coventry: the 23 at Bicklesworth, 28 at Newmarker, Hartford, Oxford, Dis, Wakefield, Stamford, Richdale, in Lancash.

November.

The 1 day at Chelmsford, 2 at Epping, Kingston on Thames, Padamhaston in Suffolk, 6 at Newport pond, Bedford, Hartford, 11 at Lodden in Norfolk, Lenton in Northamptonshire, Hempton, Fockingham, Bridgestock, Marlborough: the 17 at Spalding in Lincolnsh. Lincoln, Harlow, Hide, Northampton: the 19 at Horsham in Kent: the 20 at S. Edmundsbury, Ingerston in Essex, Heath. the 23 at Sandwich, the 30 at Baldock, Bareford, Kolingborough, Maidenhead, Warrington, Rochester, Wakefield, York.

December.

The first day at Tutbury: the 5 at Pluckley: the 9 at S. Neots, at Woodstock, Exeter, Spalding, Norwich in Cheshire, Seven-oak in Kent, Arundel, Grantham: the 7 at Sandhurst, the 8 at Northampton, Clicheral in Lancashire, Huntington, Leicester, at Malpas in Cheshire: the 29 at Canterbury, Salisbury.

A Prospect of Divine providence, by T. C. 8° — **Exercitation** and Meditations Moral and Divine, by *Saul Tompson* M.A. 8° — **Moses** Reviv'd, a Treatise proving that it is not Lawfull, and therefore sinfull, for any Man or Woman to eat the blood of any Creature, by *John Moore* 8° — **Basilus Valentius** his last will and Testament which was found hid under a Table behind the High-Altar of the Cathedral Church of the Imperial City of *Erford* 8° — **A Narrative of the Adventures of Lewis Marrott** Pilot Royal of the Gallies of *France*. — **Dr. Homes** Essay's of the Sabbath day: — **Mr. Cowells** Inage broken, &c. 8°. — These Books are sold by **Edw. Brewster** at the Crane in *St. Pauls Church-yard*.

FINIS.